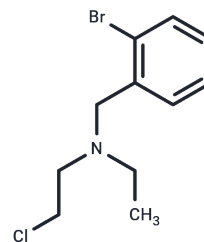


DSP 4

Chemical Properties

CAS No. : 62078-98-2
 Formula: C₁₁H₁₅BrClN
 Molecular Weight: 276.6
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	DSP 4 is a selective neurotoxin selective for noradrenergic neurons in the locus coeruleus noradrenergic system and capable of crossing the blood-brain barrier and cyclizes to a reactive aziridinium derivative that is accumulated into the noradrenergic nerve terminals via the noradrenaline transporter.
Targets(IC50)	Others, Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6153 mL	18.0766 mL	36.1533 mL
5 mM	0.7231 mL	3.6153 mL	7.2307 mL
10 mM	0.3615 mL	1.8077 mL	3.6153 mL
50 mM	0.0723 mL	0.3615 mL	0.7231 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ross SB, Stenfors C. DSP4, a selective neurotoxin for the locus coeruleus noradrenergic system. A review of its mode of action. Neurotox Res. 2015 Jan;27(1):15-30. doi: 10.1007/s12640-014-9482-z. Epub 2014 Jun 26. Review. PubMed PMID: 24964753.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481